

State of California
Regional Water Quality Control Board
San Diego Region

EXECUTIVE OFFICER SUMMARY REPORT
June 14, 2006

- ITEM: 7
- SUBJECT: Update of Waste Discharge Requirements for the Pauma Valley Community Services District, Pauma Valley Treatment Plant, San Diego County (tentative Order No. R9-2006-0049) (*Eric Becker*)
- PURPOSE: To adopt updated waste discharge requirements for the treatment and disposal of up to 0.150 millions gallons per day (MGD) of secondary treated effluent to a series of three rapid infiltration ponds adjacent to the San Luis Rey River. If adopted, this Order would supercede Order No. R9-1993-0046.
- PUBLIC NOTICE: The Regional Board Agenda Notice was mailed on May 19, 2006 and has been posted on the Regional Board web page. This notification satisfies the requirements pursuant to State Government Code Section 11125 for a 10-day notice.
- DISCUSSION: The Pauma Valley Community Services District (PVCSD) owns and operates the Pauma Valley Treatment Plant (PVTP). Under Waste Discharge Requirements (WDRs) Order No. R9-1993-0046, the plant discharges up to 0.115 million gallons per day (MGD) of secondary treated effluent to a series of three rapid infiltration ponds adjacent to the San Luis Rey River. The PVTP at 33129 Cole Grade Road, serves 314 homes, a school, a golf center, and small commercial in unincorporated San Diego County. Current wastewater treatment operations and processes include extended aeration, sedimentation, chlorine disinfection, and percolation.
- On November 15, 2005, the PVCSD submitted an initial Report of Waste Discharge to replace the PVTP with a new treatment and disposal facility that will provide 0.035 of additional capacity for a total capacity of 0.150 MGD. The new packaged treatment plant will include flow

equalization, aeration, anoxic zone, clarifiers, sludge holding tank, and disinfection. To accommodate the increased flow, the existing percolation ponds will also be expanded. Tentative Order No. R9-2006-0049 updates the WDRs for the Pauma Valley Treatment Plant to be consistent with current Regional Board plans and policies for regulating waste discharges to land.

The tentative Order was provided to PVCSD on April 19, 2006. As of May 31, 2006, no comments have been received on the tentative Order.

- SIGNIFICANT CHANGES**
1. The effluent limitations in the tentative Order have been changed to 800 mg/l total dissolved solids (TDS) (previously 750 mg/L), 200 mg/L chlorides (previously 150 mg/L), and 300 mg/L sulfates (previously 260 mg/L). These slight increases were incorporated into the tentative Order at the request of the PVCSD based on the District's supply water monitoring data that indicated some increases for these constituents. The new effluent limitations are consistent with the groundwater water quality objectives in the Water Quality Control Plan for the San Diego Region (Basin Plan).
 2. The existing effluent limitation of 60 mg/L nitrate (as NO₃) has been replaced by a 10 mg/L total nitrogen limit to account for all forms of nitrogen that may impact groundwater quality.

KEY ISSUES: None.

LEGAL CONCERNS: None.

COMPLIANCE: The last monitoring report submitted (Jan-March, 2006) indicated that the discharge exceeded the 12-month average limit for TDS, chlorides, and sulfates. However, the effluent limitations were exceeded by less than 10 % and are minor violations. The facility can meet the proposed new effluent limitations that are consistent with the water quality objectives in the Basin Plan.

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SUPPORTING
DOCUMENTS:

1. Location Map
2. Transmittal Letter to PVCSD
3. Tentative Order No. R9-2006-0049
4. Fact Sheet for Tentative Order No. R9-2006-0049

RECOMMENDATION: Adoption of Tentative Order No. R9-2006-0049